

10/528631

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(FILE 'HOME' ENTERED AT 15:48:47 ON 18 SEP 2007)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 15:49:11 ON 18 SEP 2007

L1	15033 S MYOSIN (3W)KINASE?
L2	4214 S "MLCK"
L3	15436 S L1 OR L2
L4	8602861 S CLON? OR EXPRESS? OR RECOMBINANT
L5	3265 S L3 AND L4
L6	4634 S APHIS (W)GOSSYPPI
L7	3 S L5 AND L6
	E CHEN R/AU
L8	4683 S E3
	E YUHAS D/AU
L9	130 S E3-E9
	E ALLENZA P/AU
L10	19 S E4
	E HALLING B/AU
L11	67 S E3-E8
L12	5 S L6 AND L11
L13	5 DUP REM L12 (0 DUPLICATES REMOVED)

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NEWS 5 JUL 02 CA/Capplus enhanced with utility model patents from China
NEWS 6 JUL 16 Capplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/Capplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
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NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19 SEP 13 FORIS renamed to SOFIS
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 21 SEP 17 CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS 22 SEP 17 Capplus coverage extended to include traditional medicine patents

NEWS EXPRESS 05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.

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=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci		
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	ENTRY	SESSION
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FILE 'LIFESCI' ENTERED AT 15:49:11 ON 18 SEP 2007
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=> s myosin (3w)kinase?
L1 15033 MYOSIN (3W) KINASE?

=> s "MLCK"
L2 4214 "MLCK"

=> s l1 or l2
L3 15436 L1 OR L2

=> s clon? or express? or recombinant
L4 8602861 CLON? OR EXPRESS? OR RECOMBINANT

=> s l3 and l4
L5 3265 L3 AND L4

=> s aphis (w)gossypii
L6 4634 APHIS (W) GOSSYPPII

=> s l5 and l6
L7 3 L5 AND L6

=> d 1-3 ibib ab

L7 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:790448 HCAPLUS
DOCUMENT NUMBER: 147:205873
TITLE: Controlling pests using RNA interference targeted
toward essential genes of insects
INVENTOR(S): Raemaekers, Romaan; Kubler, Laurent; Vanbleu, Els

PATENT ASSIGNEE(S): Devgen N.V., Belg.
 SOURCE: PCT Int. Appl., 297pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007080126	A2	20070719	WO 2007-EP286	20070112
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-447008 A 20060112
 US 2006-758191P P 20060112
 US 2006-771160P P 20060207
 US 2006-837910P P 20060816
 US 2006-875356P P 20061218

AB The present invention concerns methods for controlling insect infestation via RNA interference (RNAi)-mediated gene silencing, whereby the intact insect cell(s) are contacted with a double-stranded RNA (dsRNA) from outside the insect cell(s) and whereby the double-stranded RNA is taken up by the intact insect cell(s). The sequence of the dsRNA corresponds to part or whole of an essential insect gene and causes down-regulation of the insect target via RNAi. Essential genes were identified for *Leptinotarsa decemlineata* (Colorado potato beetle), *Phaedon cochleariae* (mustard leaf beetle), *Anthonomus grandis* (cotton boll weevil), *Myzus persicae* (green peach aphid), *Chilo suppressalis* (rice striped stem borer), *Plutella xylostella* (diamondback moth), *Epilachna varivetis* (Mexican bean beetle), *Tribolium castaneum* (red flour beetle), *Nilaparvata lugens* (brown plant hopper), and *Acheta domesticus* (house cricket). In addition, sequences orthologous to insect essential genes are provided for arachnida, nematode, and fungal species. The methods of the invention can find practical application in any area of technol. where it is desirable to inhibit viability, growth, development, or reproduction of the insect, or to decrease pathogenicity or infectivity of the insect. Suitable insect target genes and fragments thereof, dsRNA constructs, recombinant constructs, and compns. are disclosed.

L7 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:790098 HCAPLUS
 DOCUMENT NUMBER: 147:183063
 TITLE: Controlling pests using RNA interference targeted toward essential genes of insects
 INVENTOR(S): Raemaekers, Romaan; Kubler, Laurent; Plaetinck, Geert; Vanbleu, Els
 PATENT ASSIGNEE(S): Devgen N.V., Belg.
 SOURCE: PCT Int. Appl., 324pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007080127	A2	20070719	WO 2007-EP287	20070112
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.:

EP 2006-447008	A	20060112
US 2006-758191P	P	20060112
US 2006-771160P	P	20060207
US 2006-837910P	P	20060816
US 2006-875362P	P	20061218

AB The present invention concerns methods for controlling insect infestation via RNA interference (RNAi)-mediated gene silencing, whereby the intact insect cell(s) are contacted with a double-stranded RNA (dsRNA) from outside the insect cell(s) and whereby the double-stranded RNA is taken up by the intact insect cell(s). The sequence of the dsRNA corresponds to part or whole of an essential insect gene and causes down-regulation of the insect target via RNAi. Essential genes were identified for *Leptinotarsa decemlineata* (Colorado potato beetle), *Phaedon cochleariae* (mustard leaf beetle), *Anthonomus grandis* (cotton boll weevil), *Myzus persicae* (green peach aphid), *Chilo suppressalis* (rice striped stem borer), *Plutella xylostella* (diamondback moth), *Epilachna varivetis* (Mexican bean beetle), *Tribolium castaneum* (red flour beetle), *Nilaparvata lugens* (brown plant hopper), and *Acheta domesticus* (house cricket). In addition, sequences orthologous to insect essential genes are provided for arachnida, nematode, and fungal species. The methods of the invention can find practical application in any area of technol. where it is desirable to inhibit viability, growth, development, or reproduction of the insect, or to decrease pathogenicity or infectivity of the insect. Suitable insect target genes and fragments thereof, dsRNA constructs, recombinant constructs, and compns. are disclosed.

L7 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:292143 HCAPLUS

DOCUMENT NUMBER: 140:317126

TITLE: Cloning and sequence of hemipteran myosin light chain kinase and potential use in development of pesticides or pharmaceuticals

INVENTOR(S): Chen, Ruihua; Chaguturu, Munirathnam K.; Yuhas, Debra; Allenza, Paul; Halling, Blaik P.

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029577	A2	20040408	WO 2003-US29901	20030918
WO 2004029577	A3	20040701		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,				

GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003275144 A1 20040419 AU 2003-275144 20030918
 EP 1543116 A2 20050622 EP 2003-759412 20030918
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006500067 T 20060105 JP 2004-540171 20030918
 US 2006148031 A1 20060706 US 2005-528631 20051116
 PRIORITY APPLN. INFO.: US 2002-413720P P 20020926
 WO 2003-US29901 W 20030918

AB The cDNA sequence and the encoded amino acid sequence of myosin
 light chain kinase from *Aphis gossypii* are
 disclosed. The sequences of the invention are useful in the
 identification or development of pesticides or pharmaceuticals.

=> e chen r/au

E1 5 CHEN QY/AU
 E2 1 CHEN QZ/AU
 E3 4683 --> CHEN R/AU
 E4 36 CHEN R A/AU
 E5 5 CHEN R A J/AU
 E6 164 CHEN R B/AU
 E7 519 CHEN R C/AU
 E8 28 CHEN R C A/AU
 E9 5 CHEN R C C/AU
 E10 1 CHEN R C H/AU
 E11 1 CHEN R C I/AU
 E12 4 CHEN R C M/AU

=> s e3

L8 4683 "CHEN R"/AU

=> e yuhas d/au

E1 11 YUHAS BENJAMIN D/AU
 E2 6 YUHAS C M/AU
 E3 29 --> YUHAS D/AU
 E4 29 YUHAS D A/AU
 E5 56 YUHAS D E/AU
 E6 3 YUHAS DAVID A/AU
 E7 1 YUHAS DEBBIE/AU
 E8 2 YUHAS DEBRA/AU
 E9 10 YUHAS DEBRA A/AU
 E10 1 YUHAS DONALD/AU
 E11 9 YUHAS DONALD E/AU
 E12 2 YUHAS DONALD EUGENE/AU

=> s e3-e9

L9 130 ("YUHAS D"/AU OR "YUHAS D A"/AU OR "YUHAS D E"/AU OR "YUHAS
 DAVID A"/AU OR "YUHAS DEBBIE"/AU OR "YUHAS DEBRA"/AU OR "YUHAS
 DEBRA A"/AU)

=> e allenza p/au

E1 1 ALLENZ J/AU
 E2 1 ALLENZ T M/AU
 E3 52 --> ALLENZA P/AU
 E4 19 ALLENZA PAUL/AU
 E5 1 ALLEON A/AU

E6	5	ALLEON A M/AU
E7	1	ALLEON AIMI JANINE/AU
E8	3	ALLEON G/AU
E9	1	ALLEON J/AU
E10	2	ALLEONI A C C/AU
E11	1	ALLEONI ANA CLAUDIA CARRARO/AU
E12	1	ALLEONI B/AU

=> s e4

L10 19 "ALLENZA PAUL"/AU

=> e halling b/au

E1	23	HALLING ANDERS/AU
E2	31	HALLING ARNE/AU
E3	3 -->	HALLING B/AU
E4	39	HALLING B P/AU
E5	1	HALLING BLAIK/AU
E6	20	HALLING BLAIK P/AU
E7	2	HALLING BLAIK PHILLIP/AU
E8	2	HALLING BLAKE/AU
E9	9	HALLING BROWN M/AU
E10	3	HALLING BROWN MARK/AU
E11	84	HALLING C/AU
E12	1	HALLING C H/AU

=> s e3-e8

L11 67 ("HALLING B"/AU OR "HALLING B P"/AU OR "HALLING BLAIK"/AU OR
"HALLING BLAIK P"/AU OR "HALLING BLAIK PHILLIP"/AU OR "HALLING
BLAKE"/AU)

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
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L8	4683 S E3 E YUHAS D/AU
L9	130 S E3-E9 E ALLENZA P/AU
L10	19 S E4 E HALLING B/AU
L11	67 S E3-E8

=> s l6 and l11

L12 5 L6 AND L11

=> dup rem l12

PROCESSING COMPLETED FOR L12

L13 5 DUP REM L12 (0 DUPLICATES REMOVED)

=> d 1-5 ibib ab

L13 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:537875 HCAPLUS
DOCUMENT NUMBER: 146:516125

TITLE: Cloning of cDNAs for voltage-gated potassium channels of insects for use in screening for insecticidal ligands of the receptor

INVENTOR(S): Hayashi, Jon H.; Kinne, Lyle P.; Halling, Blaik P.; Ditolvo, Kevin; Brennan, Lynn A.

PATENT ASSIGNEE(S): FMC Corp., USA

SOURCE: PCT Int. Appl., 75pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007056043	A2	20070518	WO 2006-US42767	20061101
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW</p> <p>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p>				

PRIORITY APPLN. INFO.: US 2005-732998P P 20051103

AB CDNAs for voltage-gated potassium channels of the insect pests Aphis gossypii and Heliothis virescens are cloned and characterized for use in screening for ligands with possible insecticidal use. Cloning of cDNAs and their expression in a Xenopus oocyte system is demonstrated.

L13 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:817648 HCAPLUS

DOCUMENT NUMBER: 141:291233

TITLE: Protein and cDNA sequences of a novel Aphis gossypii hemipteran glutamate decarboxylase and use for developing insecticides

INVENTOR(S): Chen, Ruihua; Gilbey, Susan N.; Wong, Victoria Y.; Halling, Blake; Allenza, Paul

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004084821	A2	20041007	WO 2004-US8457	20040319
WO 2004084821	A3	20050818		
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,</p>				

SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG

EP 1606403 A2 20051221 EP 2004-757889 20040319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
US 2007077592 A1 20070405 US 2006-549945 20060810

PRIORITY APPLN. INFO.: US 2003-456302P P 20030320
WO 2004-US8457 W 20040319

AB Novel nucleic acid sequences encoding hemipteran L-glutamate
decarboxylases, and the amino acid sequence of such protein are disclosed.
Methods of making and using the same are disclosed.

L13 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:754418 HCAPLUS

DOCUMENT NUMBER: 141:273623

TITLE: Protein and cDNA sequences of a novel Aphis
gossypii hemipteran membrane-bound matrix
metalloproteinase

INVENTOR(S): Huang, Cancan; Halling, Blake; Eldridge,
James Russell; Allenza, Paul

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078141	A2	20040916	WO 2004-US6667	20040304
W:	AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KE, KG, KP, KP, KR, KR, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2003-452316P P 20030305

AB The invention provides protein and cDNA sequences of a novel Aphis
gossypii hemipteran membrane-bound matrix metalloproteinase. Host
cells expressing Hemipteran membrane-bound matrix metalloproteinases and
methods of producing the Hemipteran membrane-bound matrix
metalloproteinases are also disclosed. Methods of identifying modulators
and/or inhibitors of Hemipteran membrane-bound matrix metalloproteinases
are disclosed.

L13 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:565048 HCAPLUS

DOCUMENT NUMBER: 141:119323

TITLE: Cloning, sequence and insecticide screening use of
cotton aphid polo-like kinase

INVENTOR(S): Wu, Shilan; Allenza, Paul; Halling, Blaik P.

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058161	A2	20040715	WO 2003-US40545	20031219
WO 2004058161	A3	20051229		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003299728	A1	20040722	AU 2003-299728	20031219
EP 1578376	A2	20050928	EP 2003-800008	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			US 2002-435012P	P 20021220
			WO 2003-US40545	W 20031219

AB Novel nucleic acid sequences encoding Hemipteran polo-like kinases, and recombinant expressions and host cells comprising the same are disclosed. The cDNA sequence and the encoded amino acid sequence of cotton aphid *Aphis gossypii* is disclosed. Isolated Hemipteran polo-like kinases, host cells expressing Hemipteran polo-like kinases, methods of producing the Hemipteran polo-like kinases and antibodies specific for Hemipteran polo-like kinases are also disclosed. Methods of identifying modulators and/or inhibitors of Hemipteran polo-like kinases are disclosed. The Hemipteran polo-like kinase inhibitors can be used as insecticides.

L13 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:292143 HCAPLUS

DOCUMENT NUMBER: 140:317126

TITLE: Cloning and sequence of hemipteran myosin light chain kinase and potential use in development of pesticides or pharmaceuticals

INVENTOR(S): Chen, Ruihua; Chaguturu, Munirathnam K.; Yuhas, Debra; Allenza, Paul; Halling, Blaik P.

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029577	A2	20040408	WO 2003-US29901	20030918
WO 2004029577	A3	20040701		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003275144	A1	20040419	AU 2003-275144	20030918

EP 1543116	A2	20050622	EP 2003-759412	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006500067	T	20060105	JP 2004-540171	20030918
US 2006148031	A1	20060706	US 2005-528631	20051116
PRIORITY APPLN. INFO.:			US 2002-413720P	P 20020926
			WO 2003-US29901	W 20030918

AB The cDNA sequence and the encoded amino acid sequence of myosin light chain kinase from *Aphis gossypii* are disclosed. The sequences of the invention are useful in the identification or development of pesticides or pharmaceuticals.

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(FILE 'HOME' ENTERED AT 15:48:47 ON 18 SEP 2007)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 15:49:11 ON 18 SEP 2007

L1	15033 S MYOSIN (3W) KINASE?
L2	4214 S "MLCK"
L3	15436 S L1 OR L2
L4	8602861 S CLON? OR EXPRESS? OR RECOMBINANT
L5	3265 S L3 AND L4
L6	4634 S APHIS (W) GOSSYPPII
L7	3 S L5 AND L6
	E CHEN R/AU
L8	4683 S E3
	E YUHAS D/AU
L9	130 S E3-E9
	E ALLENZA P/AU
L10	19 S E4
	E HALLING B/AU
L11	67 S E3-E8
L12	5 S L6 AND L11
L13	5 DUP REM L12 (0 DUPLICATES REMOVED)

	Document ID	Kind Codes	Source	Issue Date	Page s	Title
1	US 2006014803 1 A1		US- PGPUB	20060706	10	Hemipteran myosin light chain kinase

	Document ID	Kind Codes	Source	Issue Date	Pages	Title
1	US 2007011668 7 A1		US- PGPUB	20070524	24	Method of modulating cellular transmigration and agents for use therein
2	US 2007000397 6 A1		US- PGPUB	20070104	141	Car ligand-binding domain polypeptide co-crystallized with a ligand, and methods of designing ligands that modulate car activity
3	US 2006019476 5 A1		US- PGPUB	20060831	33	Methods and compositions using oxidized phospholipids
4	US 6673901 B2		USPAT	20040106	79	Artificial antibody polypeptides

	L #	Hits	Search Text
1	L1	314	"mlck"
2	L2	863	myosin adj3 kinase\$2
3	L3	963	l1 or l2
4	L4	1009 803	clon\$3 or express\$3 or recombinant
5	L5	223	l3 same l4
6	L6	1718	aphis adj gossypii
7	L7	1	l5 same l6
8	L8	1960 57	YUHAS CHEN ALLENZA HALLING CHAGUTURU
9	L9	4	l5 same l8